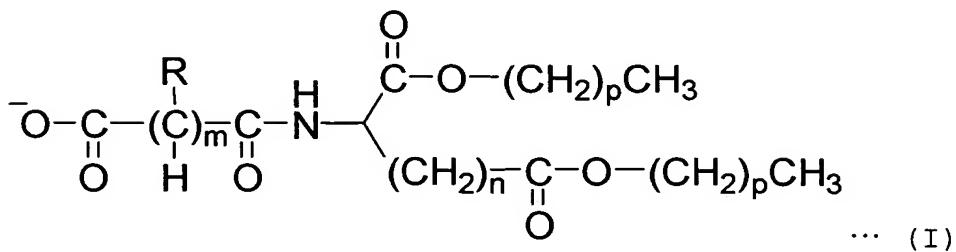


WHAT IS CLAIMED IS:

1. An zwitterionic lipid compound represented by formula (I) given below:



where m and n are independently integers of 1 to 4, p is an integer of 7 to 21, and R bonded to the fourth carbon atom as counted from the terminal carboxyl carbon atom is NH_3^+ and the other R is H.

10 2. A surface modifying method, comprising
allowing the zwitterionic lipid compound defined in
claim 1 to be oriented at the interface at which
a hydrophobic substance is brought into contact with
an aqueous medium so as to modify the surface of the
hydrophobic substance into a hydrophilic surface.
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3. A carrier of a water-soluble drug, comprising a vesicle formed by allowing the zwitterionic lipid compound defined in claim 1 to be dispersed in an aqueous medium together with the water-soluble drug.

20 4. A carrier of a water-soluble drug, comprising
a membrane of a lipid containing 40 to 100 mol% of
the zwitterionic lipid compound defined in claim 1,
a water-soluble drug being included in the inner
aqueous phase and a vesicle having a particle diameter
25 of 100 to 300 nm being dispersed in an aqueous medium.

5. The carrier according to claim 4, wherein hemoglobin is included in the inner aqueous phase at a concentration of 10 to 40 g/dL.